QFinder User's Manual

A. Overview

QFinder utilizes the GPS technology to mark your desired locations and allows you to be back to the locations later at anytime by the precise digital compass with 8-directional arrows. It's a pretty practical tool in terms of hiking, camping, kayaking, fishing, parking, and traveling.

B. Product Notice

- **QFinder must be used outdoors because it utilizes GPS technology to mark locations. Indoor environment will cause the device unable to receive satellite signals to find your location and movement, such as in am indoor parking garage**
- **For the first time use or not use after a long time of the device, it would need more time to get GPS fixed.**
- **The manufacturer assumes no responsibility for any damages and loss resulting from the use of this manual or from misuse of the product in any way**
- **Please clean the unit with a dry and clean soft close. Do not use harsh cleaning solvents, chemicals, alcohol, or strong detergents**
- **Do not attempt to take apart the device by yourself. Unauthorized hacking may damage the unit, and void your warranty**

C. Standard Package

1. QFinder **2. Neck Lanyard**

D. Features

- 4 location back points (A/B/C/D point)
- The estimate straight line distance measuring of the location back points
- LCD Display with Backlight
- Support Digital Compass with 8-directional arrow
- Support Temperature and Real Time (Time Zone adjustable)
- Adopts SiRF Star III GPS GPS chipset
- High sensitivity -159dBm and 20-Channel tracking
- Smart power saving and operates on 2 AAA batteries (not included)
- IPX-6 Water resistance
- Support standard NMEA-0183 protocol

E. Product Specification

General	
GPS Chip	SiRF Star III
Frequency	L1, 1575.42MHz
C/A Code	1.023MHz chip rate
Channels	Support 20 channels
Antenna (Intemal)	Built-in low noise antenna
Sensitivity	
To -159dBm Tracking, Superior Urban Canyon Performance	
Acquisition Rate	
Cold Start	42 sec, average
Warm Start	38 sec, average
Hot Start	1 sec, average
Reacquisition	0.1sec
Accuracy	
Position	<10 M at 2D RMS
Velocity	0.1m/sec, without SA
Time	1μs synchronized to GPS time
Datum	
WGS-84	
Dynamic Conditions	
Altitude	<18,000m
Velocity	<515m/sec
Acceleration	<4G
Motional Jerk	4 m/sec.
Display & Button	
LCM-ICON 33x42mm display size	
2 Buttons (Power/Mode and Mark/Backlight)	
GPS Protocol	
Default: NMEA-0183 – GGA, GSA, GSV, GLL, RMC,VTG Baud rate 4800~38400 bps, Data bit : 8, stop bit : 1(Default) *	
Device Size	
88Lx53Wx29D mm	
100g (excluding battery)	

Power	
2 x AAA batteries (for both alkaline and rechargeable)	
Operation Current	<55mA (Typical)
Operation Time	12hrs,
Functionality	
E-Compass	4 location back (A/B/C/D marks)
Temperature (℃ / ℉)	Time display
Accessories	
Lanyard	
Environmental	
Operating Temperature	0 ℃ to + 60 ℃
Storage Temperature	- 20 ℃ to + 70 ℃
Water resistance	IPX-6

F. Appearance

Icon Indicators:

	Battery status		Compass mode
	GPS Fix		Temperature Mode
(Flash)	GPS not Fix	A B C D	A/B/C/D location mode

G. Hardware Function

Hardware Function	Description
Power on/off the device	Hold **Mode/Power** button for 1sec to power on; hold **Mode/Power** button again for 3sec to power off
Mode switch	After power on, short push **Mode/Power** button to switch among different modes
Mark location	Short push **Mode/Power** button to select either A/B/C/D location and hold **Mark** button for 3sec to mark
Setup time zone	1. In compass mode, hold **Mark** button for 3sec 2. Press **Mode/Power** button to change time zone 3. Hold **Mark** button for 3sec to finish setup
Change temperature/distance Unit	In temperature/distance mode, hold both **Mark** and **Mode/Power** button for 3sec
30 sec Backlight	Short push **Backlight/Mark** button to enable backlight for 30sec

Note: The device will automatically power off after 30 minutes without pushing any button to save energy.

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H. Battery Installation

1. Rotate screw counterclockwise to open battery cover.

2. Insert 2 “AAA” alkaline or lithium batteries.

(Batteries are not included in package)

3. Put the battery cover back and rotate screw clockwise to lock it.

I. Start to use

1. Push **Mode/Power** button to power on the device

2. Ensure you are outdoor under an open sky environment and wait until QFinder get fix with GPS indicator not flashing

GPS not fix
Blinking GPS indicator
No time display

GPS fix
Steady GPS indicator
Time display

3. **Compass Mode**: QFinder can be a digital compass. Arrow will always point north.

To **setup time zone**, hold **Mark** button for 3sec and Press **Mode/Power** button to change time zone. Hold **Mark** button for 3sec to finish setup

4. **Temperature Mode:** Short push **Mode/Power** button to switch to temperature mode.

To **change temperature unit**, hold both **Mark** and **Mode/Power** button for 3sec.

5. **Location Mode:** Short push **Mode/Power** button to switch to location mode.

Current Time in 24-hour format
Current straight line distance from location A
Location A/B/C/D icon
Arrow points location A/B/C/D

To **mark location**, Short push **Mode/Power** button to select either A/B/C/D location, and hold **Mark** button for 3sec until the distance indicator becomes 0 and 8-directional arrows flash.

To **change distance unit**, hold both **Mark** and **Mode/Power** button for 3sec.

When arrive location, the distance will become 0 and 8-directional arrows will flash.

J. Trouble Shooting

Problem	Solution
Unable to power on	1. Check if the the device is already out of bettery 2. Check if the battery may not installed properly.
Unable to display information	GPS may not get fix. Please make sure to have QFinder outside under open sky environment until the GPS indicator is steady.

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